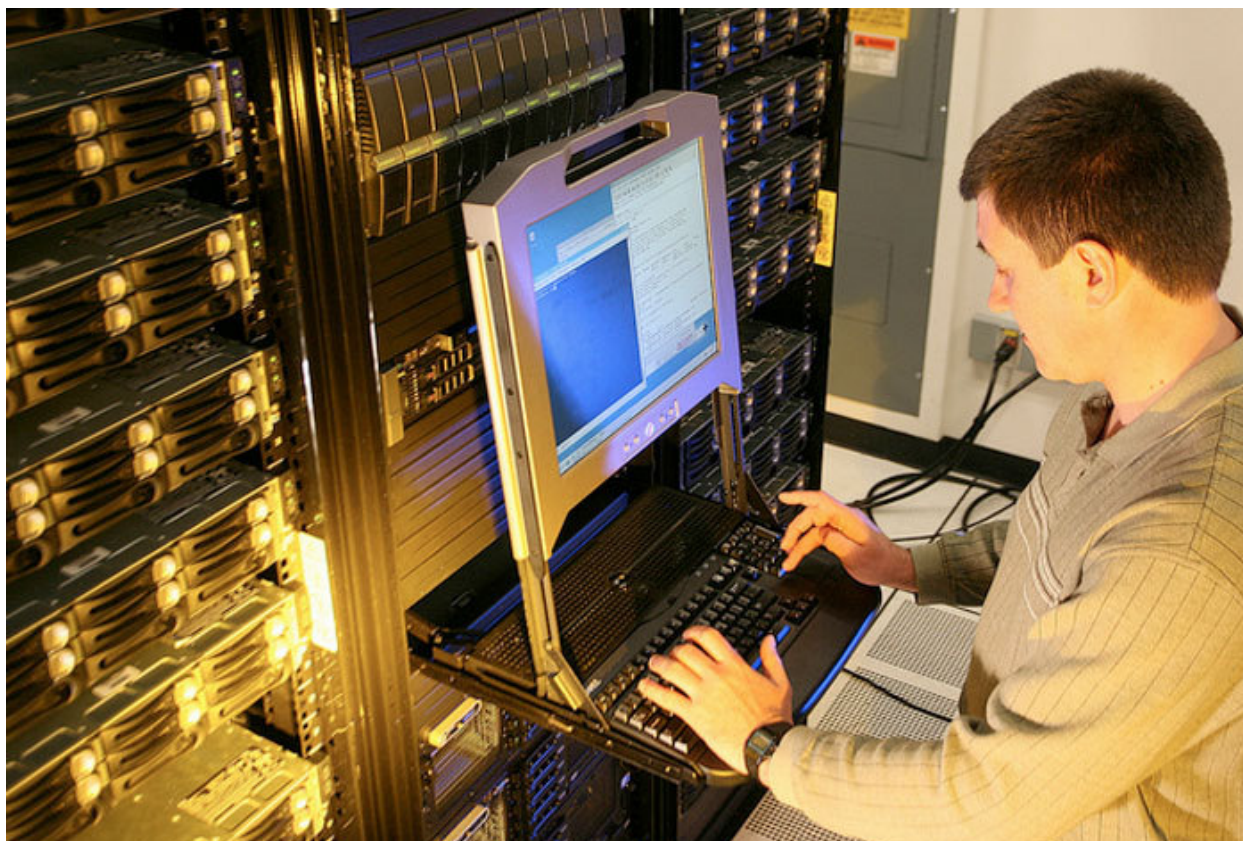


## For your calendar

December 1, 2015



Please click on the title(s) of interest to view details. To close the opened accordion, click on the title(s) once again.

Apply to LAESF's four-year scholarships: Now

Since its inception in 1998, the Los Alamos Employees' Scholarship Fund (LAESF) has awarded \$5 million in total to more than 1,000 students from across northern New Mexico. The next batch of high school applicants is invited to apply to the fund's 2016 four-year scholarships by January 19, 2016. The scholarships are open to all regional students and not tied to Los Alamos National Laboratory employment. Awards are based on academic performance, leadership potential, critical thinking skills and career goals. Financial need, diversity and regional representation are integral components of the selections process. For additional information, visit the Los Alamos National Laboratory (LANL) Foundation's [How to Apply](#) web page. You also might enjoy checking out the [\\$422,500 in scholarships awarded to 78 regional students](#) story in *Community Connections'* May 2015 issue.

Take advantage of Laboratory summer school opportunities: Now

Los Alamos National Laboratory offers outstanding 8- to 12-week summer school internships for college students in a variety of disciplines. Dates and application deadlines vary, but the 2016 Computer System, Cluster, and Networking Summer Institute, for instance, will accept applications from January 5 to February 13, 2016 (see entry below). Check the links on the Laboratory's [Summer Schools](#) website for details. Register for the Future City competition: Now

The [Future City](#) competition starts with a question: How can we make the world a better place? To answer it, sixth-, seventh- and eighth-grade students imagine, research, design and build cities of the future that showcase their solution to a city-wide sustainability issue. To register for the January 16, 2016, event, visit Future City's [Registration](#) page. While the teacher enrollment already has closed, other ways of participating are still available. You also might consider reading the [Española students invited to White House Science Fair](#) article in *Community Connections*' May 2015 issue. Register for the regional ScienceBowls: Now

New Mexico students are invited to compete in the middle school (6th-8th grades) or high school (9th-12th grades) regional Science Bowl competitions. The Science Bowl is a Jeopardy-like event in the form of a round robin in the morning and double elimination after lunch. Teams consist of four students and one optional alternative team member. Event dates: January 23, 2016, for middle school students and February 27, 2016, for high school students. For details, go to Sandia National Laboratories' [DOE Regional Science Bowls](#) website.

Register for the 2016 MidSchoolMath National Conference: Now

The two-day MidSchool Math conference on February 19 and 20, 2016, is the only national conference focused on math in the middle grades (grades 5 through 8). The 2016 conference will bring 650 educators from 30 states and across New Mexico together in Santa Fe to create a community of educators that share, grow and learn together and leave prepared to help students thrive in the classroom. The conference will feature over 70 concurrent sessions and a keynote address by Carol S. Dweck, a leading researcher in the field of motivation and author of *Mindset: the New Physiology of Success*. An optional pre-conference workshop, "Great Math Teachers as Great Rebels," will be held on Thursday, February 18, with noted author Steve Leinwand and MidSchoolMath co-founder Scott Laidlaw. Advance registration is required. For details, check the [MidSchoolMath](#) pages.

See "Sea Monsters, A Prehistoric Adventure" film: Dec. 5

Eighty million years ago, the American Midwest lay under a great inland sea where colossal creatures ruled the waves, from giraffe-necked *Styxosaurus* and sea birds with teeth to the "T. rex of the Ocean," the 40-foot super-predator *Tylosaurus*. This National Geographic program playing at the Pajarito Environmental Education Center immerses audiences in an unexplored world of the "other dinosaurs." Meet up with a family of *Dolichorhynchops* as they swim through waters with prehistoric sharks and squids brought to life in the planetarium's full-dome immersive theater. For details on this and other events, visit the [Pajarito Environmental Education Center](#) site.

Attend a Frontiers in Science Lecture: Dec. 7 or 11

Photosynthesis uses light from the sun and carbon dioxide from the air to make chemicals that can be converted into energy-rich biofuels. Plants, however, transform less than five percent of the solar energy they capture into harvestable chemical energy. The "Hacking Photosynthesis: Growing Plants to Power Our Engines and Feed the World" talk by Richard Sayre of Los Alamos National Laboratory's Bioenergy and Biome Science group will describe strategies to improve the energy yield in algae and plant systems without releasing additional carbon into the atmosphere. The December 7 date

is for Santa Fe, December 11 Los Alamos. For details, visit the [Frontiers in Science](#) website.

Chat with scientists in the spotlight: Dec. 12

Every second Saturday from 11:00 a.m. to 1:00 p.m. the [Bradbury Science Museum](#) features scientists and researchers talking to visitors about their favorite science, technology, engineering and math topics. The conversations are intended for all ages, so bring your kids and stop by the museum for a chat. While you're there, be sure to check out the museum's new environmental exhibit.

Apply to the 2016 Computer System, Cluster, and Networking Summer Institute: Jan. 5-Feb. 13, 2016

The Computer System, Cluster, and Networking Summer Institute is a nine-week technical enrichment program targeting third-year undergraduate college students currently enrolled in a computer science, computer engineering or similar major. The program emphasizes practical skill development through a variety of activities, including hands-on technical training, lectures, professional development seminars and tours of Los Alamos National Laboratory facilities. For details, see the [2016 Computer System, Cluster, and Networking Summer Institute](#) document (pdf). Also consider reading the [Students gain valuable supercomputing skills while getting paid](#) article in *Community Connections*' September 2015 edition.

Plan to attend 2016 Discover E: Feb. 25, 2016

Discover E (Engineering) is an evening of interesting, interactive and fun engineering, science, math and technology demonstrations for K-12 students and their parents or guardians. Favorite activities include investigations of basic engineering, science, technology and math principles, including bridges, casting, chain reactions, chemistry, crystal structures, earthquake-resistant buildings, electrical circuits, engines, fluids, forensic science, liquid-nitrogen ice cream, optical illusions, radiation, robots, reverse engineering, sound waves, thermodynamics, vacuum cannon, materials properties and materials processing. Time: From 4:30 to 7:00 p.m. Location: Los Alamos High School's Common Area. For further information, email Dr. Beverly Aikin ([bevaikin@lanl.gov](mailto:bevaikin@lanl.gov)).

Plan to attend the 2016 RoboRAVE Rally: March 5, 2016

The first Northern New Mexico RoboRAVE Rally took place at Northern New Mexico College in Española in March 2014 and brought students from across the region to compete their robots and have fun. The 2016 event will partner with Albuquerque's Explora museum in combining northern New Mexico's Science Showdown with the RoboRAVE. To get a sense for what is involved in preparing for the event, check the [Getting ready for the Northern New Mexico RoboRAVE](#) story in *Community Connections*' March 2015 issue.

Market your goods or services to the Laboratory: Anytime

Qualified companies interested in procurement opportunities with Los Alamos National Laboratory are invited to register their business with the [System for Award Management](#), the primary supplier database for the federal government. Once done, the companies then should email their completed [Supplier Information Form](#) (pdf) to Los Alamos' Small Business Program Office at [business@lanl.gov](mailto:business@lanl.gov) and attach their company capability statement. To learn more, see the [Marketing your goods or services to the Laboratory](#) article in *Community Connections*' May 2015 issue.

Request a Lab volunteer: Anytime

Los Alamos National Laboratory participation in science, technology, engineering or math (STEM) events is made possible with support from the Department of Energy through the Laboratory's Science Education Community Service Time Program.

To request STEM experts, members of the community can complete a brief online



[request form](#). The form also can be accessed from the [STEM Education Programs](#) website. An additional option for requesting Los Alamos experts and other volunteers is through the Laboratory's [Vecinos Volunteer Program](#), which partners with the national [VolunteerMatch](#) initiative.

Take advantage of the Laboratory's Speakers Bureau: Anytime Los Alamos National Laboratory's Speakers Bureau brings audiences together with scientists and experts whose ideas and science are changing and inspiring the world. The speakers offer free presentations on a wide variety of subjects and can tailor the content for a range of audiences. While the majority of possible topics are science subjects—from dark matter to quantum cryptography—some of the speakers are experts in related areas, including the Laboratory's history. For details and examples of some of the available topics, visit the [Speakers Bureau](#) website.

Los Alamos National Laboratory and/or the Laboratory's management company, Los Alamos National Security (LANS), LLC, help support the above events, programs and campaigns.

To include your event or application deadline in upcoming calendars, please email [connections@lanl.gov](mailto:connections@lanl.gov) with a brief description of how the proposed calendar item is connected to the Laboratory and/or LANS.

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*Community Connections* features news and opportunities that grow out of the Laboratory's Good Neighbor Pledge: "To partner with our neighbors on strengthening math and science learning, diversifying the economy and expanding community giving in northern New Mexico."

**Los Alamos National Laboratory**

[www.lanl.gov](http://www.lanl.gov)

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**Los Alamos, NM**

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